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Approx. Time: _____

File No: FMC1263PUSPages (w/cover): 8

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Message:**Serial No. 09/663,515**

Per our conversation, attached is the Response After Final Amendment that was originally faxed to the Patent Office on January 29, 2003.

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RESPONSE AFTER FINAL

Serial No.: 09/663,515

Atty. Docket No.: FMC 1263 PUS / 200-0029

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1000 Town Center, 22nd Floor

Southfield, Michigan 48075

Telephone: (248) 358-4400 -- Facsimile (248) 358-3351

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Response Under 37 C.F.R. § 1.116 -
Expedited Procedure - Examining Group 2834

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Group Art Unit: 2834

DALE SCOTT CROMBEZ ET AL

Examiner: JULIO C. GONZALEZ

Serial No.: 09/663,515

Filed: SEPTEMBER 15, 2000

For: METHOD AND APPARATUS FOR REDUCING ENGINE CYCLING IN
HYBRID ELECTRIC VEHICLE

Attorney Docket No.: FMC 1263 PUS / 200-0029

AMENDMENT UNDER 37 C.F.R. § 1.116

Box AF
Commissioner for Patents
United States Patent and Trademark Office
Washington, D.C. 20231

Sir:

In response to the final Office Action mailed December 4, 2002, please amend
the above-identified application as follows:

In The Claims:

Please cancel Claims 1, 3, 4, 10-15 without prejudice

Please replace claims 5-9 as shown below. A marked-up version of the
amended claims is attached to this Amendment.

CERTIFICATE OF FACSIMILE TRANSMISSION

I hereby certify that this paper is being facsimile transmitted to the Patent and Trademark Office, Examiner Julio C. Gonzalez, Group 2834, (703) 308-7722, on the date shown below.

A. Frank Duke

Name of Person
Signing Certification


Signature

January 29, 2003
Date

S/N: 09/663,515

Atty Dkt No. FMC 1263 PUS / 200-0029

5. (Amended) The method of Claim 9 wherein said auxiliary system is a brake booster vacuum system.

6. (Amended) The method of Claim 9 wherein said auxiliary system is an air conditioning and heating system.

7. (Amended) The method of Claim 9 wherein said auxiliary system is a purge vapor system.

8. (Amended) The method of Claim 9 wherein said auxiliary system is a catalyst system.

9. (Amended) A method of reducing the number of times a main power unit of a hybrid electric vehicle is activated to support a plurality of auxiliary system of the vehicle during a given drive cycle comprising a sequence of the following steps:

determining the ON/OFF status of said unit;

if the unit is ON requesting that the unit be maintained ON until the value of an auxiliary system parameter exceeds a first threshold value wherein said first threshold value is a unit ON auxiliary system threshold value;

if the unit is OFF requesting that the unit be turned ON when the value of said parameter falls below a second threshold value wherein said second threshold value is a unit OFF auxiliary system threshold value;

setting said unit OFF auxiliary system threshold value when the status of said unit is OFF;

setting said unit ON auxiliary system threshold value when the status of said unit is ON; and

wherein said step of requesting that a unit ON status be maintained is performed if a predetermined parameter in any of said plurality of auxiliary systems is below respective unit ON auxiliary system threshold values, and said step of requesting a unit ON status is performed if a predetermined parameter in any of said plurality of auxiliary systems is below respective unit OFF auxiliary system threshold value.